



11-01-04

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DEPT. OF COMMERCE

## In the United States Patent and Trademark Office

Appn. Number: 10/017,676 ✓

Appn. Filed: 12/14/2001

Applicant(s): Shahram Abdollahi-Alibeik, Mayur Joshi

Appn. Title: High-Speed Low-Power CAM-based Search Engine

Examiner/GAU: Bataille, Pierre-Michel / 2186

October 27, 2004

At: Stanford, CA

### Amendment A

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In response to the Office Letter mailed April 28, 2004, please amend the above application as follows:

**SPECIFICATION:** A statement explaining the specification amendments begins on page 2 of this amendment.

**CLAIMS:** Amendments to the claims begin on page 3 of this amendment.

**DRAWINGS:** A statement explaining the drawing amendments begins on page 15 of this amendment.

**REMARKS** begin on page 16 of this amendment.

11/01/2004 JBALINAN 00000062 10017676

01 FC:2201 220.00 OP  
02 FC:2202 45.00 OP

Adjustment date: 12/28/2004 SDIRETA1  
11/01/2004 JBALINAN 00000062 10017676  
01 FC:2201 -220.00 OP  
02 FC:2202 -45.00 OP

Refund Ref:  
12/28/2004 0030019120

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November 17, 2004

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**Subject: Request For Refund**

**Name:** Shahram Abdollahi-Alibeik  
**Address:** PO Box 19389  
Stanford, CA 94309  
**Phone:** 650-575-6690

**Patent Application Number:** 10/017,676**Requested Refund Amount:** \$265

**Reason for Request:** Correspondence in response to first office action for Application #10/017,676 was sent to USPTO on Oct. 28, 2004. The payment was by credit card and therefore the *Credit Card Payment Form* was enclosed with the correspondence. The correspondence was initially faxed to the USPTO, but due to technical problems, the fax service was not able to provide confirmation for the successful transmission on time. Therefore, the correspondence was also sent via US Express Mail. Later, it was discovered that the fax transmission has also been successful.

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Enclosed: Copy of Transmittal Form, Fee Transmittal form and Credit Card Payment Form for the above mentioned correspondence.

Sincerely Yours,

  
Shahram Abdollahi-Alibeik

M From: Demchick

Fax Number: 252 291 2140

Page 1 of 1

**PAUL H. DEMCHICK**

**REGISTERED PATENT AGENT**

(UNITED STATES PATENT AND TRADEMARK OFFICE REGISTRATION #52,808)

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22 November 2004

United States Patent and Trademark Office  
Office of Finance - Refund Branch

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			NBR			
11/22	121	10367057	21402-559 (C	1251	\$110.00	\$1,755.00

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Paul H. Demchick

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**PAUL H. DEMCHICK**  
REGISTERED PATENT AGENT  
(UNITED STATES PATENT AND TRADEMARK OFFICE REGISTRATION #52,808)

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407 West Broad Street  
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22 November 2004

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**Address:** PO Box 19389  
Stanford, CA 94309

**Phone:** 650-575-6690

**Patent Application Number:** 10/017,676

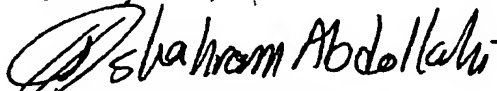
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Sincerely Yours,

  
Shahram Abdollahi-Alibeik

PTO/58/21 (09-04)

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission **94**

Application Number	10/017,576
Filing Date	Dec. 14, 2001
First Named Inventor	Abdollahi-Alibek, Shahram
Art Unit	2186
Examiner Name	Bataille, P.
Attorney Docket Number	

**ENCLOSURES (Check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavit/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name		
Signature	<i>Shahram Abdollahi</i>	
Printed name	Shahram Abdollahi-Alibek	
Date	10/28/2004	Reg. No.

**CERTIFICATE OF TRANSMISSION/MAILING**

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Signature	<i>Shahram Abdollahi</i>	
Typed or printed name	Shahram Abdollahi-Alibek	Date

This collection of information is required by 37 CFR 1.3. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (10-04v2)

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**FEE TRANSMITTAL**  
**for FY 2005**

Effective 10/01/2004, Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$)**265.00****Complete if Known**

Application Number	10/017,678
Filing Date	12/14/2001
First Named Inventor	Shahram Abdollahi-Alibek
Examiner Name	Bataille, Pierre-Michel
Art Unit	2186
Attorney Docket No.	

**METHOD OF PAYMENT (check all that apply)**☐ Check ☒ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:Deposit  
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☐ Charge fee(s) indicated below ☐ Credit any overpayments☐ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 790	2001 395	Utility filing fee	
1002 350	2002 175	Design filing fee	
1003 550	2003 275	Plant filing fee	
1004 790	2004 395	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

**SUBTOTAL (1)** (\$)**265****2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
25	-20** = 5	X 9	45
8	-3** = 5	X 44	220

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 88	2201 44	Independent claims in excess of 3
1203 300	2203 150	Multiple dependent claim, if not paid
1204 88	2204 44	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$)**265**

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity - Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 60	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	2053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 430	2252 215	Extension for reply within second month	
1253 980	2253 490	Extension for reply within third month	
1254 1,530	2254 765	Extension for reply within fourth month	
1255 2,080	2255 1,040	Extension for reply within fifth month	
1401 340	2401 170	Notice of Appeal	
1402 340	2402 170	Filing a brief in support of an appeal	
1403 300	2403 150	Request for oral hearing	
1451 1,610	2451 1,610	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,370	2453 685	Petition to revive - unintentional	
1501 1,370	2501 685	Utility issue fee (or reissue)	
1502 490	2502 245	Design issue fee	
1503 680	2503 340	Plant issue fee	
1480 130	2480 130	Petitions to the Commissioner	
1807 60	2807 60	Processing fee under 37 CFR 1.17(c)	
1808 180	2808 180	Submission of Information Disclosure Stmt	
8021 40	28021 40	Recording each patent assignment per property (times number of properties)	
1809 790	2809 395	Filing a submission after final rejection (37 CFR 1.129(a))	
1910 790	2910 395	For each additional invention to be examined (37 CFR 1.129(b))	
1801 790	2801 395	Request for Continued Examination (RCE)	
1802 900	2802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$)**SUBMITTED BY**

Name (Print/Type)

Shahram Abdollahi-Alibek

Registration No.

(Attorney/Agent)

Telephone 650-675-6690

Signature

*Shahram Abdollahi*

Date 10/27/2004

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PTO-2038 (02-2003)

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Description of Request and Payment Information:

Extra Claim Fees (response to first Office Action, Art Unit 2186)

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<b>Application No.</b> 10/017,676	<b>Application No.</b>	<b>Application No.</b>	<b>IDON Customer No.</b>
<b>Patent No.</b>	<b>Patent No.</b>	<b>Registration No.</b>	
<b>Attorney Docket No.</b>		<b>Identify or Describe Mark</b>	

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# Fax

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**Fax:** 703-308-5077

**Pages:** 5

**Phone:** 703-305-4229

**Date:** 11/17/2004

**Re:** Request For Refund

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